

S/N UnknownPATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kie Y. Ahn et al. Examiner: Unknown
 Serial No.: Unknown Group Art Unit: Unknown
 Filed: Herewith Docket: 1303.016US1
 Title: COPPER ELECTROLESS DEPOSITION TECHNOLOGY FOR ULSI METALIZATION

POWER OF ATTORNEY BY ASSIGNEE AND
CERTIFICATE BY ASSIGNEE UNDER 37 CFR § 3.73(b)

Commissioner for Patents
 Washington, D.C. 20231

Micron Technology, Inc., assignee of the entire right, title and interest in the above-identified application by assignment attached hereto, hereby appoints the attorneys and agents of the firm of SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A., listed as follows:

Aglin, J. Michael	Reg. No. 24,916	Greaves, John N.	Reg. No. 40,362	Nicholson, Lea A.	Reg. No. P-48,346
Amra, Suncel	Reg. No. 42,267	Haack, John L.	Reg. No. 36,154	Nielsen, Walter W.	Reg. No. 25,539
Beckman, Marvin L.	Reg. No. 38,377	Harris, Robert J.	Reg. No. 37,346	Padys, Danny J.	Reg. No. 35,635
Bianchi, Timothy E.	Reg. No. 39,610	Hill, Stanley K.	Reg. No. 37,548	Parker, J. Kevin	Reg. No. 33,024
Billion, Richard E.	Reg. No. 32,836	Jackson Huebsch, Katharine A.	Reg. No. 47,670	Perrink, Monique M.	Reg. No. 42,989
Black, David W.	Reg. No. 42,331	Jurkovich, Patti J.	Reg. No. 44,813	Peret, Andrew R.	Reg. No. 41,246
Bronnan, Leoniede M.	Reg. No. 35,832	Kalis, Janal M.	Reg. No. 37,650	Peterson, David C.	Reg. No. 47,857
Bennan, Thomas F.	Reg. No. 35,075	Klima-Silberg, Catherine I.	Reg. No. 40,052	Proul, William F.	Reg. No. 33,995
Brooks, Edward J., III	Reg. No. 40,925	Kluth, Daniel J.	Reg. No. 32,146	Schumm, Sherry W.	Reg. No. 39,422
Chadwick, Robin A.	Reg. No. 36,477	Lacy, Rodney L.	Reg. No. 41,136	Schwegman, Michael L.	Reg. No. 25,816
Clark, Barbara J.	Reg. No. 38,107	Lemaire, Charles A.	Reg. No. 36,198	Scott, John C.	Reg. No. 38,613
Clise, Timothy B.	Reg. No. 40,957	LeMoine, Dana B.	Reg. No. 40,062	Smith, Michael G.	Reg. No. 45,368
Dahl, John M.	Reg. No. 44,639	Lundberg, Steven W.	Reg. No. 30,568	Speier, Gary J.	Reg. No. 45,458
Drake, Eduardo E.	Reg. No. 40,594	Maki, Peter C.	Reg. No. 42,832	Steffey, Charles E.	Reg. No. 25,179
Embretson, Janet E.	Reg. No. 39,665	Malen, Peter L.	Reg. No. 44,894	Stordal, Leif T.	Reg. No. 46,251
Fordenbacher, Paul J.	Reg. No. 42,546	Mates, Robert E.	Reg. No. 35,271	Terry, Kathleen R.	Reg. No. 31,884
Forrest, Bradley A.	Reg. No. 30,837	McCrackin, Ann M.	Reg. No. 42,858	Tong, Viet V.	Reg. No. 45,416
Gannon, Owen J.	Reg. No. 36,143	Moore, Charles L., Jr.	Reg. No. 33,742	Viksnins, Ann S.	Reg. No. 37,748
Gornie, Gregory J.	Reg. No. 36,530	Nama, Kash	Reg. No. 44,255	Woessner, Warren D.	Reg. No. 30,440
Gortych, Joseph E.	Reg. No. 41,791	Nelson, Albin J.	Reg. No. 28,650		

and also attorney Michael L. Lynch (Reg. No. 30,871) of Micron Technology, Inc., as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

The assignee certifies that the above identified assignment has been reviewed and to the best of the assignee's knowledge and belief, title is in the assignee.

Please direct all correspondence regarding this application to the following:

Schwegman, Lundberg, Woessner & Kluth, P.A.
 Attn: Edward J. Brooks, III
 P.O. Box 2938
 Minneapolis, MN 55402

Telephone: (612) 373-6913
 Facsimile: (612) 339-3061

Dated: 7-5-01

MICRON TECHNOLOGY, INC.

By: [Signature]
 Name: Michael L. Lynch
 Title: Chief Patent Counsel

DECLARATION FOR PATENT APPLICATION

As a below named inventor I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first an joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

COPPER ELECTROLESS DEPOSITION TECHNOLOGY FOR ULSI METALIZATION .

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 3 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application.

No such claim for priority is being made at this time.

09501001 070901

Serial No. not assigned

Filing Date: not assigned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : **Kie Y. Ahn**

Citizenship: **United States of America**

Residence: **Chappaqua, NY**

Post Office Address: 639 Quaker St.
Chappaqua, NY 10514

Signature: Kie Y. Ahn
Kie Y. Ahn

Date: June 15, 2001

Full Name of joint inventor number 2 : **Leonard Forbes**

Citizenship: **United States of America**

Residence: **Corvallis, OR**

Post Office Address: 965 NW Highland Terrace
Corvallis, OR 97330

Signature: _____
Leonard Forbes

Date: _____

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

1303.016US1-00000001

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) it refutes, or is inconsistent with, a position the applicant takes in:
 - (i) opposing an argument of unpatentability relied on by the Office, or
 - (ii) asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

USPTO "07/09/01"

DECLARATION FOR PATENT APPLICATION

As a below named inventor I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first an joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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Serial No. not assigned

Filing Date: not assigned

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Full Name of joint inventor number 1 : **Kie Y. Ahn**Citizenship: **United States of America**Residence: **Chappaqua, NY**Post Office Address: 639 Quaker St.
Chappaqua, NY 10514

Signature: _____

Kie Y. Ahn

Date: _____

Full Name of joint inventor number 2 : **Leonard Forbes**Citizenship: **United States of America**Residence: **Corvallis, OR**Post Office Address: 965 NW Highland Terrace
Corvallis, OR 97330

Signature: _____

Leonard Forbes

Date: 15 June 2001

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

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- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

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(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

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